

Setup Paperboard Box Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
322213, Setup paperboard box manufacturing	2002..	116	122	6 229	171 698	4 794	9 284	106 218	355 330	288 710	645 826	26 332
	2001..	N	N	5 476	141 706	4 526	8 579	93 776	252 945	191 609	447 678	18 101
	2000..	N	N	5 688	147 817	4 717	9 032	98 623	262 652	217 440	481 952	16 457
	1999..	N	N	5 345	135 096	4 372	8 186	85 612	252 114	181 004	438 067	15 410
	1998..	N	N	S	S	S	S	S	S	S	S	S
	1997..	142	153	6 033	142 263	4 810	9 333	90 006	299 516	216 728	512 314	21 332

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments ²			All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
322213, Setup paperboard box manufacturing												
United States	1	122	82	6 229	171 698	4 794	9 284	106 218	355 330	288 710	645 826	26 332
California	2	10	9	497	14 036	396	832	8 911	33 496	39 120	73 135	2 291
Indiana	—	7	6	299	8 296	231	485	5 524	19 232	14 055	33 567	1 672
New York	2	17	9	1 178	32 781	887	1 589	20 093	56 186	45 528	101 169	2 060
Rhode Island	1	6	5	350	8 783	276	486	5 666	19 328	11 136	30 426	667

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
322213, Setup paperboard box manufacturing	
Companies ¹	number.. 116
All establishments ²	number.. 122
Establishments with 1 to 19 employees	number.. 40
Establishments with 20 to 99 employees	number.. 67
Establishments with 100 employees or more	number.. 15
All employees ³	number.. 6 229
Total compensation	\$1,000.. 202 048
Annual payroll	\$1,000.. 171 698
Total fringe benefits	\$1,000.. 30 350
Production workers, average for year	number.. 4 794
Production workers on March 12	number.. 4 660
Production workers on May 12	number.. 4 635
Production workers on August 12	number.. 5 024
Production workers on November 12	number.. 4 846
Production worker hours	1,000.. 9 284
Production worker wages	\$1,000.. 106 218
Total cost of materials	\$1,000.. 288 710
Materials, parts, containers, packaging, etc., used	\$1,000.. 263 879
Resales	\$1,000.. 11 191
Purchased fuels	\$1,000.. 2 475
Purchased electricity	\$1,000.. 6 220
Contract work	\$1,000.. 4 945
Quantity of electricity purchased for heat and power	1,000 kWh.. 79 293
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 645 826
Primary products value of shipments	\$1,000.. 542 321
Secondary products value of shipments	\$1,000.. 83 768
Total miscellaneous receipts	\$1,000.. 19 737
Value of resales	\$1,000.. 12 811
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 87
Value of primary products shipments made in all industries	\$1,000.. 765 717
Value of primary products shipments made in this industry	\$1,000.. 542 321
Value of primary products shipments made in other industries	\$1,000.. 223 396
Coverage ratio	percent.. 71
Value added	\$1,000.. 355 330
Total inventories, beginning of year	\$1,000.. 67 852
Finished goods inventories	\$1,000.. 34 529
Work-in-process inventories	\$1,000.. 6 156
Materials and supplies inventories	\$1,000.. 27 167
Total inventories, end of year	\$1,000.. 65 796
Finished goods inventories	\$1,000.. 32 001
Work-in-process inventories	\$1,000.. 6 898
Materials and supplies inventories	\$1,000.. 26 897
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 264 406
Total capital expenditures (new and used)	\$1,000.. 26 332
Buildings and other structures (new and used)	\$1,000.. 3 533
Machinery and equipment (new and used)	\$1,000.. 22 799
Automobiles, trucks, etc., for highway use	\$1,000.. 780
Computers and peripheral data processing equipment	\$1,000.. 2 189
All other expenditures for machinery and equipment	\$1,000.. 19 830
Total retirements	\$1,000.. 6 520
Gross value of depreciable assets at end of year	\$1,000.. 284 218
Depreciation charges during year	\$1,000.. 16 140
Total rental payments	\$1,000.. 22 530
Buildings and other structures	\$1,000.. 18 853
Machinery and equipment	\$1,000.. 3 677
Total other expenses ⁴	\$1,000.. 54 090
Response coverage ratio ⁵	percent.. 73
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 5 284
Communications services ⁴	\$1,000.. 1 241
Legal services ⁴	\$1,000.. 882
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 961
Advertising and promotional services ⁴	\$1,000.. 985
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 1 517
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 571
Management consulting and administrative services ⁴	\$1,000.. 614
Taxes and license fees ⁴	\$1,000.. 3 004
All other expenses ⁴	\$1,000.. 41 586

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
322213, Setup paperboard box manufacturing											
All establishments	1	122	6 229	171 698	4 794	9 284	106 218	355 330	288 710	645 826	26 332
Establishments with—											
1 to 4 employees	7	17	44	1 209	33	64	734	2 315	2 655	4 956	170
5 to 9 employees	7	9	b	D	D	D	D	D	D	D	D
10 to 19 employees	2	14	203	4 988	159	318	3 053	9 301	7 548	17 055	363
20 to 49 employees	1	45	1 535	41 443	1 198	2 313	25 638	81 378	68 249	150 883	7 286
50 to 99 employees	1	22	1 504	47 855	1 141	2 409	29 462	108 145	100 773	208 926	9 812
100 to 249 employees	—	13	1 761	46 392	1 280	2 397	27 299	104 905	68 743	173 851	7 414
250 to 499 employees	—	1	e	D	D	D	D	D	D	D	D
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	19	65	1 792	51	97	1 099	3 195	2 475	5 670	235

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
322213	Setup paperboard box manufacturing .	122	6 229	171 698	4 794	9 284	106 218	355 330	288 710	645 826	26 332
3222130	Setup (rigid) paperboard boxes	122	6 229	171 698	4 794	9 284	106 218	355 330	288 710	645 826	26 332

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
322213	Setup paperboard box manufacturing	2002.. N 1997.. N	X X	X X	765 717 635 310
3222130	Setup (rigid) paperboard boxes	2002.. N 1997.. N	X X	X X	765 717 635 310
32221301	Setup (rigid) paperboard boxes, classified by end use	2002.. N 1997.. N	X X	X X	671 063 559 068
3222130111	Setup (rigid) paperboard boxes for textiles, wearing apparel, and hosiery	2002.. 34 1997.. 47	X X	X X	84 837 62 446
3222130121	Setup (rigid) paperboard boxes for department stores and other retail stores	2002.. 37 1997.. 48	X X	X X	147 890 108 368
3222130131	Setup (rigid) paperboard boxes for confections	2002.. 30 1997.. 42	X X	X X	31 309 64 143
3222130141	Setup (rigid) paperboard boxes for cosmetics, including soap	2002.. 24 1997.. 27	X X	X X	63 624 67 553
3222130191	Setup (rigid) paperboard boxes for all other end uses (including stationery and office supplies, and hardware and household supplies)	2002.. 97 1997.. 110	X X	X X	343 403 256 558
3222130Y	Setup (rigid) paperboard boxes, nsk, total	2002.. N 1997.. N	X X	X X	94 654 76 242
3222130YWW	Setup (rigid) paperboard boxes, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	89 099 58 250
3222130YWY	Setup (rigid) paperboard boxes, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	5 555 17 992

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
322213	Setup paperboard box manufacturing		
00900001	Total materials .....2002..	X	263 879
	.....1997..	X	193 024
32210005	Paper and paperboard (excluding boxes and containers) 1, 000 s tons ..2002..	S	144 956
	.....1997..	S	109 286
32610021	Fabricated plastics products (including closures, ends, film, strapping, etc.) .....2002..	X	3 770
	.....1997..	X	5 307
33120016	Steel sheet and strip (including tinplate) .....2002..	X	D
	.....1997..	X	N
33131503	Aluminum sheet, plate, and foil .....2002..	X	D
	.....1997..	X	713
33211500	Metal closures and crowns for containers .....2002..	X	D
	.....1997..	X	187
32552002	Glues and adhesives .....2002..	X	D
	.....1997..	X	N
32591003	Printing inks mil lb ..2002..	S	3 792
	.....1997..	S	1 166
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	26 582
	.....1997..	X	34 695
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	75 333
	.....1997..	X	41 670

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.